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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/788,979	02/27/2004	Wolfgang Aderhold	008304	6862
759	90 08/11/2005		EXAMINER	
Applied Materials, Inc.			FUQUA, SHAWNTINA T	
Patent/Legal De M/S 2061	pt.	·	ART UNIT	PAPER NUMBER
P.O. Box 450A			3742	
Santa Clara, CA 95052			DATE MAILED: 08/11/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

		<i>\</i>			
	Application No.	Applicant(s)			
Office Action Symmony	10/788,979	ADERHOLD ET AL.			
Office Action Summary	Examiner	Art Unit			
	Shawntina T. Fuqua	3742			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tim y within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).			
Status	•				
1) Responsive to communication(s) filed on 13 M	lay 2005.				
2a) ☐ This action is FINAL . 2b) ☑ This	This action is FINAL . 2b)⊠ This action is non-final.				
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
Disposition of Claims	on parto quajro, roco c.b. rr, ro	0 0.0.270.			
4) Claim(s) 1-29 is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) 1-29 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o	wn from consideration.				
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on 27 February 2004 is/are Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	e: a)⊠ accepted or b)⊡ objected drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s)					
1) X Notice of References Cited (PTO-892)	4) Interview Summary				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal Pi 6) Other:	ite atent Application (PTO-152)			
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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1, 3, 6-8, 10-11, 16, 20, 22, 23, and 25-29 are rejected under 35 U.S.C. 102(b) as being anticipated by Samoilov et al (US6455814).

Samoilov et al discloses a thermal processing apparatus/method comprising a radiant heat source (102), disposing a substrate to be thermally processed on a front side to form features therein with a back side facing a radiant heat source, thermally monitoring (118) the front side of wafer, peripherally supporting the substrate, substrate is disposed with the front side facing upwardly, reflecting heat emitted from the front side of substrate back to the front side, front side facing generally horizontal reflector (122) above the radiant heat source (Figure 1), radiant heat source is below reflector, and substrate is held between reflector and radiant heat source with a processing side facing reflector (column 2, lines 41-47, column 3, lines 15-31, 45-51, 58-60, Figures 1-3).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 2, 4-5, 9, 12-15, 17-19, 21 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Samoilov et al in view Ballance et al (US6090210).

Samoilov et al discloses all of the recited subject matter except thermally monitoring temperature with a plurality of radial positions, a ring support, an edge exclusion zone with a width of no more than 3 mm, a substrate disposed with front facing down, a detachable holding member capable of holding substrate from a top side. Ballance et al discloses thermally monitoring temperature at a plurality of radial positions (column 4, lines 25-31), and a ring support (18). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have included a plurality of temperature sensors and ring support of Ballance et al in the apparatus/method of Samoilov et al because, a plurality of temperature sensors allows for a more uniform temperature and a ring support holds the substrate more securely.

Samoilov et al in view of Ballance et al discloses all of the recited subject matter except an edge zone no greater than 3 mm and a substrate with a front side facing downwardly. An edge zone no greater than 3 mm and a downwardly facing substrate is conventional and well known in the art. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have included an edge zone no greater than 3 mm as a means to allow most of the substrate's backside to be exposed and downwardly facing the substrate allows the components to be formed on the substrate via conductive heating reducing the chance of the components to be damaged due to direct heating.

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Response to Arguments

5. Applicant's arguments with respect to claims 1-29 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shawntina T. Fuqua whose telephone number is (571) 272-4779. The examiner can normally be reached on Monday-Friday 8-4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robin Evans can be reached on (571) 272-4777. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

stf

August 8, 2005

Shawntina Fuqua

Patent Examiner

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